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(54) **Process for reducing the back migration in mechanical vacuum pumps operating with perfluoro-polyether oils.**

(57) The invention relates to a process for reducing the back migration of the most volatile fractions of perfluoropolyethers during the operation of mechanical vacuum-generating pumps which utilize perfluoropolyethers: use is made of perfluoropolyethers containing not more than 0.1% by weight of fractions having a molecular weight lower than or equal to 1,500 and not more than 1.3% by weight of fractions having a molecular weight lower than or equal to 1,800.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US-A-4 178 465 (GERARDO CAPORICCIO) * column 2, line 66 - column 3, line 7 * * column 3, line 17 - line 23 * * column 4, line 18 - line 49 * * column 12; example 12 * ---	1,2	C10M107/38 F04C29/02 C08G65/30 /(C10N20:04) (C10N40:00)
D,A	EP-A-0 223 251 (AUSIMONT) * claim 1 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C10M F04C C08G
The present search report has been drawn up for: all claims			
Place of search THE HAGUE		Date of completion of the search 16 JUNE 1993	Examiner HILGENGA K.J.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			